AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An air cleaning device~~,~~ comprising:

a body~~ (1)~~;

a~~ first~~ filter unit~~ (4)~~;

a photocatalyst reaction unit which generates a spiral air current;

a forcible convection unit~~ (3)~~; and

a circuit control unit~~ (5)~~ which can adjustably control~~ the~~ operation of the forcible convection unit~~ (3)~~, wherein~~:~~

the~~ first~~ filter unit~~ (4)~~ is disposed below the body~~ (1)~~ and has a front surface~~ in shape of~~ with an opening~~ so as to communicate~~ communicating with the outside and a rear surface in communication with an inlet port of the forcible convection unit~~ (3),~~ ~~and~~

the forcible convection unit~~ (3)~~ is disposed between the first filter unit~~ (4)~~ and the photocatalyst reaction unit so~~ as to communicate~~ the~~ first~~ filter unit~~ (4)~~ communicates with the photocatalyst reaction unit,~~ characterized in that:~~

the photocatalyst reaction unit includes an air duct~~ (21)~~, a photocatalyst coating layer~~ (22)~~ disposed on an interior wall of the air duct~~ (21)~~, two lamp holders~~ (24)~~, at least one ultra violet ray tube~~ (23)~~ mounted on the two lamp holders~~ (24)~~, and a blow guide holder~~ (26)~~ on which a spiral blow guide blade~~ (25)~~ is mounted,

~~wherein two~~ ends of the air duct~~ (21)~~ are hermetically connected to left and right side plates of the body~~ (1),~~ respectively,

the air duct~~ is provided~~ includes, at a left side~~ thereof with,~~ an air inlet port~~ which is~~ in communication with the air outlet port of the forcible convection unit~~ (3),~~ in a tangential direction thereof~~;~~,

~~two~~ ends of each ultra violet ray tube~~ (23)~~ are mounted on the lamp holders~~ (24)~~ and axially disposed inside the air duct~~ (21);~~,

the blow guide holder~~ (26)~~ is~~ provided~~ located on the left side plate and located at a position of the air inlet port of the air duct~~ (21);~~,

the blow guide holder~~ (26) is provided~~ includes, at a right end~~ thereof with,~~ a

plurality of vent holes ~~(28) which are formed and~~ arranged in ~~form of~~ a loop~~;~~, and

a vent opening ~~(261) which is~~ in communication with the vent holes ~~is provided~~, at a side wall of the blow guide holder ~~(26)~~.

2. (Currently Amended) The air cleaning device according to claim 1, ~~characterized in that:~~ wherein the air duct ~~(21) is composed of~~ includes two elongated housings, each housing having a semi-circle section, which can be abutted with each other, wherein each of the two semi-circle shaped housings ~~is provided~~ includes, at a lower left side ~~thereof with~~, a recess so that the ~~two~~ recesses of the two housings can be abutted with each other ~~so as~~ to form an air inlet port.

3. (Currently Amended) The air cleaning device according to claim 1 ~~or 2, characterized in that:~~ wherein

the interior wall of the air duct ~~(21) is formed into an accidented~~ includes a surface with undulations, and

the photocatalyst coating layer ~~(22) is coated onto~~ coats the ~~accidented~~ surface with undulations of the interior wall of the air duct ~~by a spraying or impregnating process~~.

4. (Currently Amended) The air cleaning device according to claim 1 ~~or 2, characterized in that:~~ wherein

the ~~first~~ filter unit ~~(4)~~ includes a dust blocking web ~~(41)~~ and a movable door ~~(42) which are provided~~ on a front housing ~~(11)~~ of the body ~~(1), wherein:~~

the dust blocking web ~~(41)~~ is a filter web made of active carbon or high-efficiency HEPA filtering materials or a combination thereof; and

the movable door ~~(42)~~ is disposed on the front side of the dust blocking web ~~(41)~~ and ~~provided with~~ includes an air suction grill.

5. (Currently Amended) The air cleaning device according to claim 1 ~~or 2, characterized in that:~~ wherein

the forcible convection unit ~~(3) is configured to be~~ includes a blower ~~consisting of~~ having a motor ~~(31) which is provided~~ located between a front housing and a rear housing of the body ~~(1)~~ and connected to the circuit control unit ~~(5)~~, and a plurality of blades ~~(32)~~ which are mounted on a ~~rotation~~ rotating shaft of the motor ~~(31), wherein:~~ and

an air inlet port of the blower is in communication with the ~~first~~ filter unit ~~(4),~~ and an air outlet port ~~thereof~~ of the filter unit is in communication with an air inlet port of the photocatalyst reaction unit.